

General Information

1994

Video: 4 Heads Rotary
1 Flying Erase Head
Audio: 2 Heads Rotary
Fixed Head 1 CH

Matrix

Item	See Model
Mechanical Parts View	Akai VS-G215
Mechanical Adjustments	Akai VS-G215
Mechanical Block 3	Akai VS-G215
Error Announcements	Akai VS-G715
Audio Level Preset	Akai VS-G815
Removal Door Block	Akai VS-G815
Installation of Upper Drum	Akai VS-G715
Electrical Adjustments	Akai VS-G715
Main 2/3 - RF/Power & I/O	Akai VS-G815
Main 3/3 - Servo/Syscon	Akai VS-G815
Pre Amp/HiFi Audio	Akai VS-G815
Power Supply	Akai VS-G215
VPST/PDCT	Akai VS-G815
Input/Output	Akai VS-G815
D-NICAM	Akai VS-G715
D-MULTI	Akai VS-G715
NTSC	Akai VS-G815
CDR	Akai VS-G415
VIF Unit	Akai VS-G715
Other VIF Unit	Akai VS-G74
Remote Control	Akai VS-G415

Service
Adjustments

Replacement of the Upper Drum

Removal of the UPPER DRUM

- 1: Unsolder the fourteen relay leads and remove the two upper drum fixing screws as shown in Fig. 1.
- 2: Gently lift and remove the UPPER DRUM

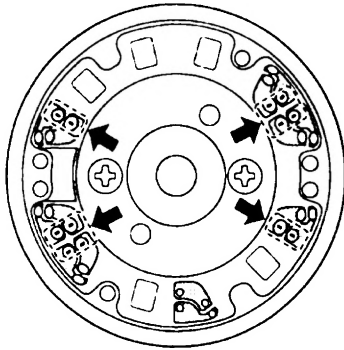


Fig. 1.

Note:
See Matrix for other adjustments

Mechanical Parts List

Description	Part No.
Arm Coupling	ML-420033N1
Arm Idler Part	MI-420023N1
Arm Lid Opener	ML-420170N
Arm Loading BLK G204EA	BL-424913NO4
Arm Loading Brake	ML-420097N1
Arm Pinch Roller Part	BL-420054N2
Arm Review Part	ML-420068N1
Arm Tension Part	ML-420006N1
Belt Capstan	MB-420053N
BID26X08STL CMT	ZS-563444
BID30X03STL CMT	ZS-425981
BID30X08STL CMT	ZS-321298
Capstan Brake Part	ML-420126N1
Cassette Load BLK G204EA	BV-424919NO4
Chassis Drum	MA-420191J2
Disk Clutch (2) Part	MI-420145N
Disk Coupling	MI-420037N
Disk(2) PART	MT-424632N1
Earth Brush (2) Part AG	VT-418700J1
Gear Cam Helical	MZ-420064N
Gear Cam Main	MZ-420122N
Gear Cam Pinch (2)	MZ-420328N2
Gear Coupling	MZ-420035N
Gear Front Loading	MZ-420124N1
Gear Pinch	MZ-420067N
Gear Toggle (S)BLK G204EA	MZ-424917NO1
Gear Toggle (T)BLK G204EA	MZ-424916NO2
Gear Worm Wheel	ML-420123N
Guide Roller D8 PART	VT-387394J1

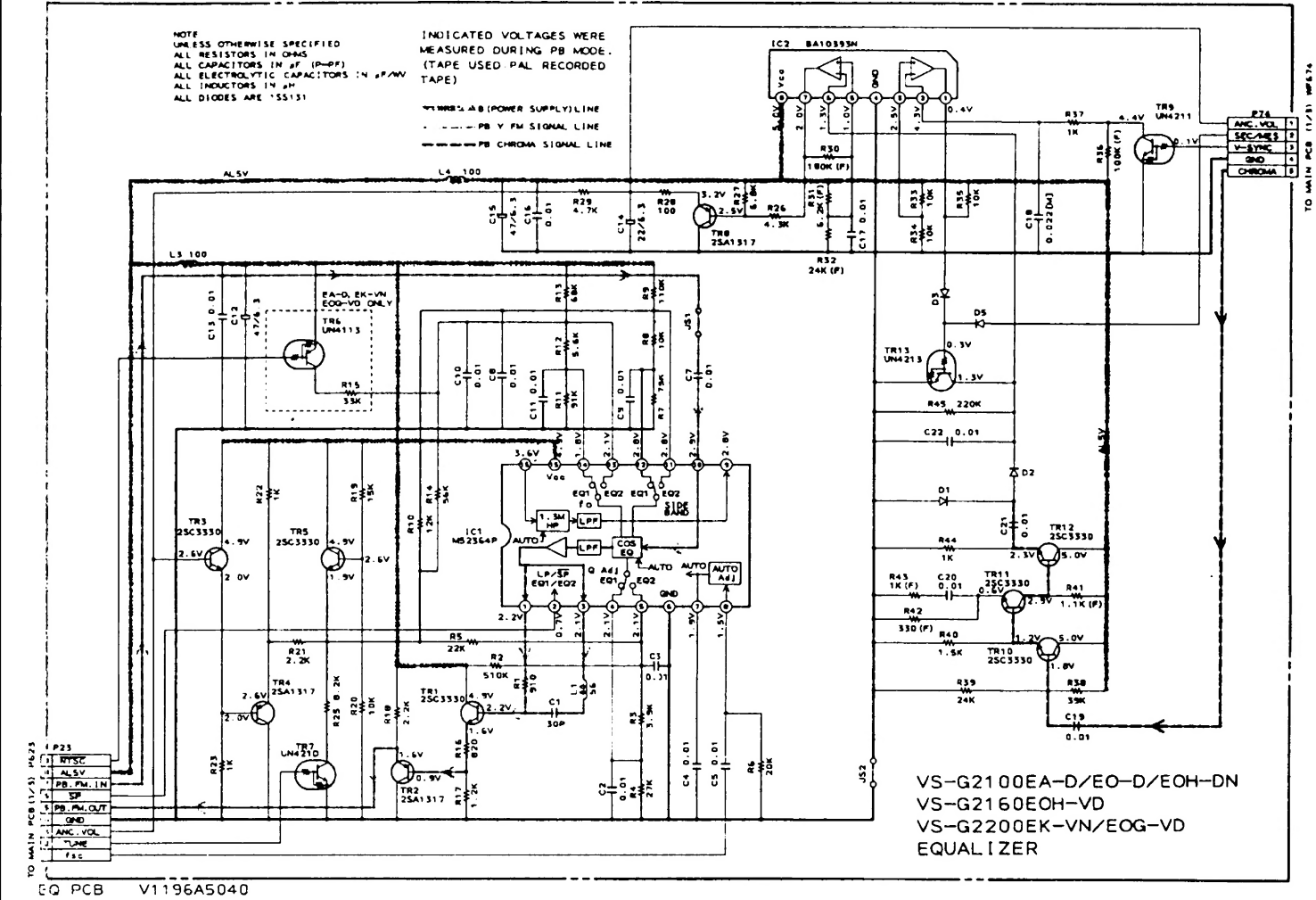
Head Combo HVMZA1161A	HR-416732J1
Head E HVFHF0032A	HE-422168J
Holder Gear BLK G405EA	BV-424907NO0
Holder Pinch	MZ-420065N2
Holder Thrust Worm	MR-420109N

Leader (S) BLK G204EA	BV-424914NO1
Leader (T) BLK G204EA	BV-424915NO1
Lever M Brake	ML-420099N1
Lever Pinch	ML-420061N2
Lever REC-S	ML-420133N
Lever Tension (1) Part	ML-420416N2
Lever Winder Part (SG)	ML-420138N1
Lower Drum BLK G2100EA-D	BV-V1182A410E
Main Brake (S) Part	ML-420086N1
Main Brake (T) Part	ML-420089N1
Mecha Deck G405EA	BB-421845N38
Motor Part	BM-421746N
Motor SCV-0602A	BM-419269N
Motor SDV-0302A	BM-419324J1

Head Motors and Miscellaneous

Part No.	Description
BV-V1182A420G	Upper Drum BLK G2100EA-D
BV-V1182A410E	Lower Drum BLK G2100EA-D
BM-419324J1	Motor SDV-0302A
BM-421746N	Motor Part
BM-419269N	Motor SCV-0602A
HE-422168J	Head E HVFHF0032A
HR-416732J1	Head Combo HVMZA1161A

Equaliser Diagram



VS-G2100EA-D/EO-D/EOH-DN
VS-G2160EOH-VD
VS-G2200EK-VN/EOG-VD
EQUALIZER

Recommended Safety Parts

Item	Part No.	Description
C1-C2	EC-422101J	C MMY V CUT MKTR40 104M 275AC
C3-C9	EC-418706J	C CE V CUT CS11 E222M 400AC
C11	EC-422103J	C EC V CUT TWSS 470M 400.ODC
C12	EC-422103J	C CE V TO5 FK22 Y5R103K 500DCEC-422103J
C13	EC-418759J	C CE V TO5 CC45 SL121K1000DC
C15	EC-418841J	C MMY V TO5 ECQ-VL2 333J 50DC
C23	EC-425398J	C Double FYD0H473Z 5.5DC
D1-D4	ED-422125J	D Silicon 1N4006 T26 800/1.0A
D5	ED-418976N	D Silicon EGO1CW TO5 1000/0.5A
D25-D27	ED-422420J	D Zener MTZJ20C T26
D202	ED-422519J	D Zener MTZJ4.3B T26
D404-D407	ED-511907	D Silicon 1N4002 100/1.0A
FR2	ER-307565	R Fuse H S10 ERD2FC1/4W 6R8J
FR3	ER-400729J	R Fuse V TO5 RF25SCVTP1/4WR47K
FR121	ER-408963J	R Fuse V TO5 RF25SCVTP1/4WR33K
FR201	ER-408829J	R Fuse V TO5 RF25SCVTP1/4 WR11K
FR202	ER-400728J	R Fuse V TO5 RF25SCVTP1/4 WR12K
FR401	ER-418648J	R Fuse V TO5 RF25SCVTP1/4 WR24K
FR403	ER-400729J	R Fuse V TO5 RF25SCVTP1/4 WR47K
FR404	ER-397385J	R Fuse V TO5 RF25SCVTP1/4 WR20K
IC2	EL-422131J	IC AN7809F
IC201	EL-418723J	ICNJM4558DX
L1	EO-339907	Coil LF FKOB160MH16 1000.OUH(EOG)
L2	EO-418689J	Coil LF.4DA-333
L201/L202	EO-422134J	Coil Fix 2 PC7-330K 330K
PH1	ET-422113J	Photo Coupler PS2561-1-V
R1	ER-418739J	R CT P RGG3 3W 4R7K
R2	ER-422181J	R OMF H S20FS ERG3SH 3W 823J
R6	ER-422186J	R OMF H S15 PRO2 2W 151J
R7	ER-411836J	R OMF H S15 FS 2W 1ROJ
R27	ER-386215J	R OMF H S12 FS 1W 220J
T1	BT-422117N	Trans POW V1190 EOG
TR1	ET-422118J	TR 2SC4304 O Y
TR2	ET-422129J	TR 2SD2132 U.V TO5
TH201	EX-412521J	Thermistor 911P83E101NH07 TO5
TR203	ET-404498J	TR 2SB1306 Q.R, TO5
TR205/411	ET-422154J	TR 2SB1426 Q.R TO5
TH1	EX-405691J	Thermistor NTH5D332KA

Description	Part No.
N3C Nylon	ZW-350839
PAN20X2.2STL BZN PS1	ZS-418480J
PAN20X2.8STL	
CMT PS1 Leader	ZS-418616J
PAN26X04STL CMT	ZS-432843
PAN26X07STL CMT CP	ZS-422170J
PAN26X08STL N13	ZS-550708
PAN26X12STLCMT	ZS-467796
PAN30X06STL CMT S-GRIP	ZS-425694J
Plate Upper	MZ-420172N
PRISM LED	MZ-420132N1
PT BID26X10STL CMT	ZS-389950J

Description	Part No.
Pulley Trigger	MR-420106N
PW16X035X025PSL	ZW-418619J
PW21X040X050PSL	ZW-321317
PW26X060X050PSL	ZW-389923J
PW31X060X050PSL	ZW-324417

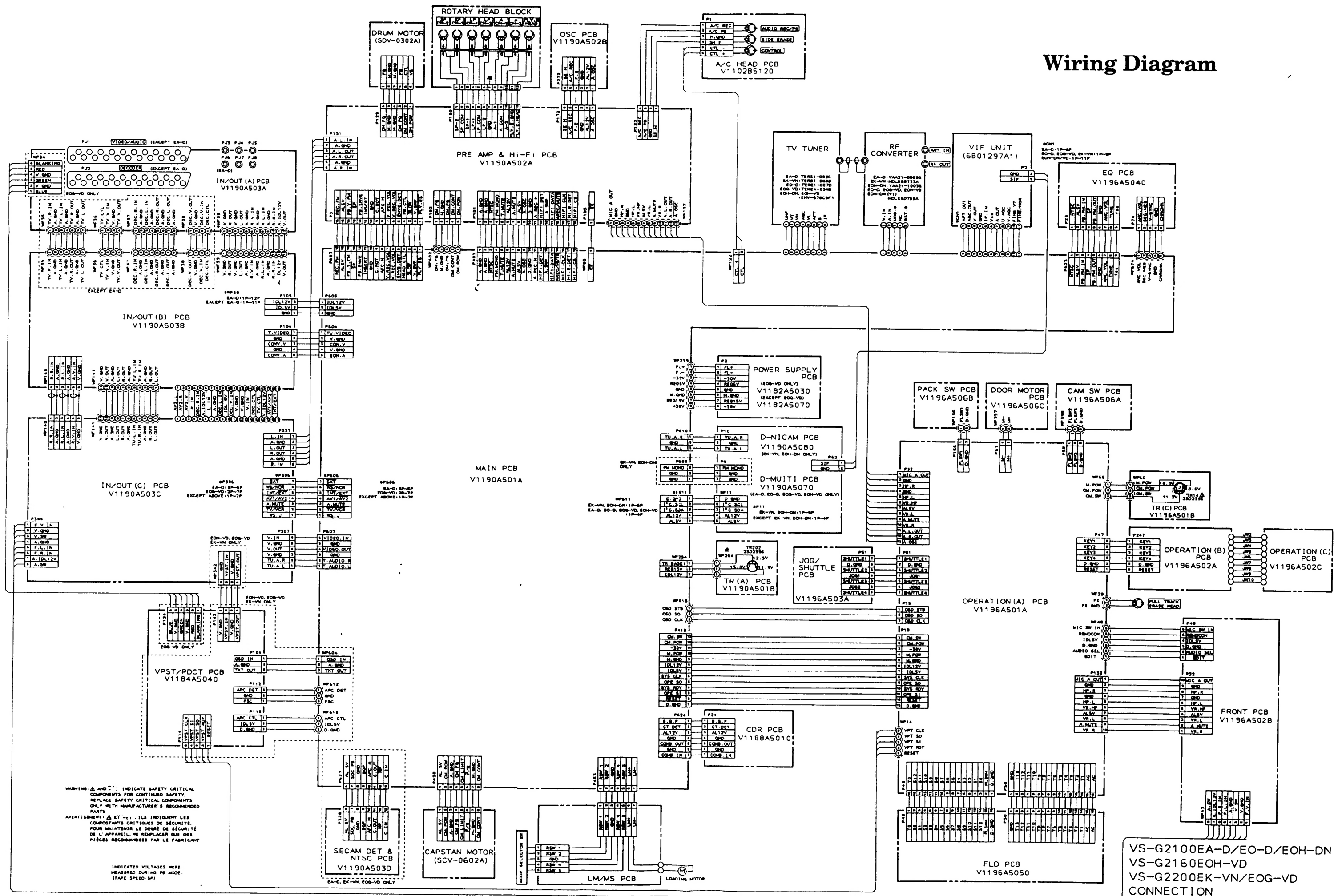
Reel Washer (SG)	ZW-424667N
Review Brake Part	ML-420092N1
Roller Impedance	MR-420022N

Slide S-SW	ML-420135N
Slider Front Loading	ML-420168N1
Slider Pinch	ML-420110N1
Slider Trigger	ML-420101N
SLIT W1.25X040X025 PSL	ZW-418855J
SLIT W16X035X025 PSL	ZW-395919J
SLIT W21X050X050 PSL	ZW-418816J
Socket TKC-MO7X-A1 7P	EJ-422169J
SP Platte Upper	ZG-420162N
SP Pull Demper(S)	ZG-420166N
SP Pull Dumper (T)	ZG-420167N
SP Pull Loading Brake	ZG-420098N
SP Pull Main Brake	ZG-420091N
SP Pull Pinch	ZG-420062N
SP Pull Review Brake	ZG-420095N

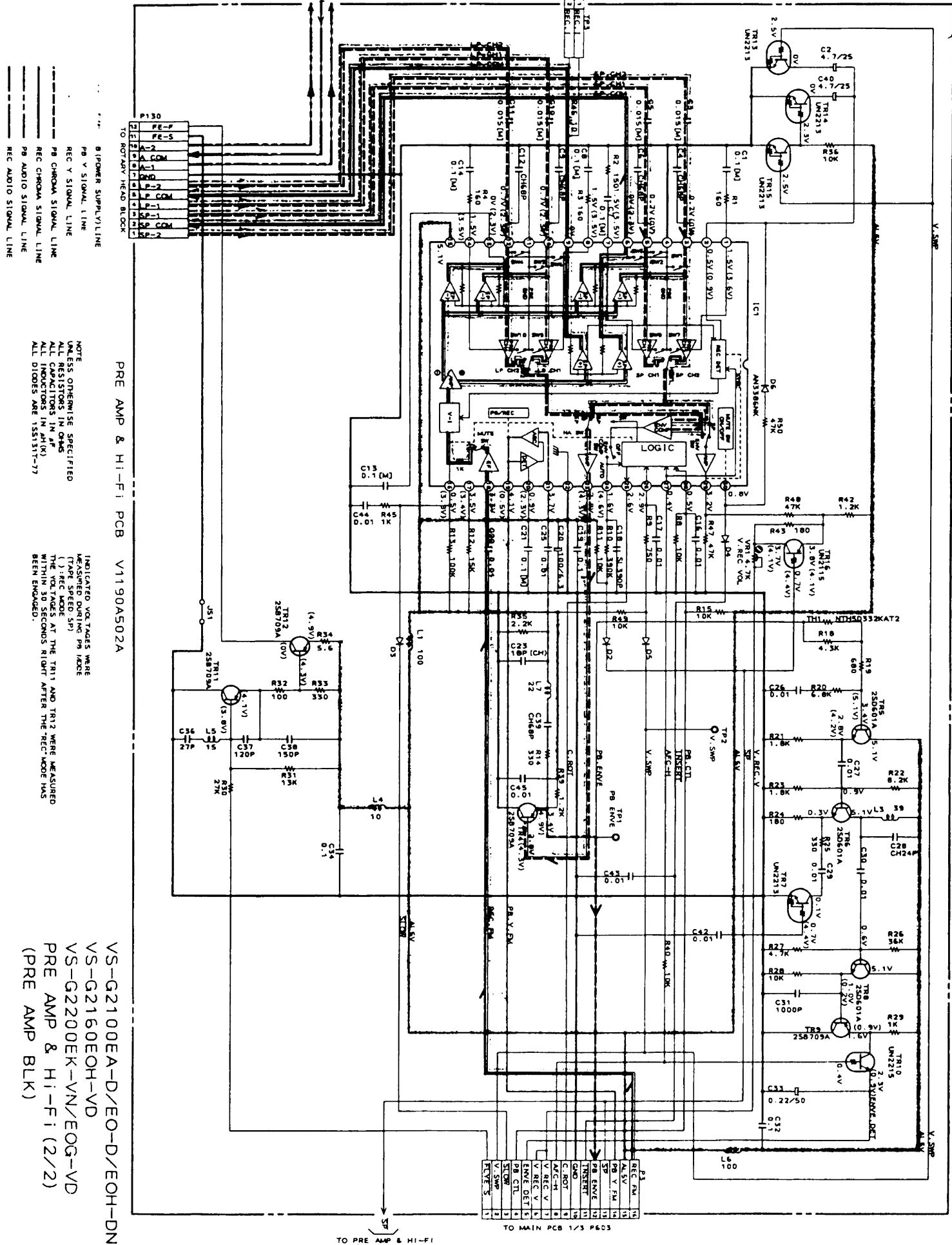
Description	Part No.
SP Pull Tension (1)	ZG-420015N1
SP Pull Toggle	ZG-420117N
SP Pull Winder (SG)	ZG-420144N
SP Push A/C(2)	ZG-424556J
SP Push Coupling	ZG-420036N
SP Torsion C,B	ZG-420129N1
SP Torsion Coupling	ZG-420034N2
SP Torsion REC-S	ZG-420134N
SP Torsion Review	ZG-420071N1
SP Torsion Slider	ZG-420169N1
SP Trigger	ZG-420105N
ST BID26X06STL CMT	ZS-383761J
ST BID30X05STL CMT	ZS-427136J
ST BID30X06STL CMT	ZS-358936
ST BID30X12STL CMT	ZS-336714
ST PAN30X05STL	
CMT C080	ZS-362533
SW Mode Select	
MMS00202ZMB0	ES-419326N1

Tension Band Part	MZ-420016N1
Upper Drum BLK G2100EA-D	BV-V1182A420G

Wiring Diagram



Pre Amp HiFi Diagram



VS-G2100EA-D/EO-D/EOH-DN
VS-G2160EOH-VD
VS-G2200EK-VN/EOG-VD
PRE AMP & Hi-Fi (2/2)
(PRE AMP BLK)

[illegible]

PCB V1196A502C VS-G2100EA-D/EO-D/EOH-DN
INDICATED VOLTAGES WERE VS-G2160EOH-VD
MEASURED DURING PB MODE. VS-G2200EK-VN/EOG-VD
() RE MODE OPERATION



**See Matrix for
other Main
Diagrams**

VS-G2100EA-D/EO-D/EOH-DN
VS-G2160EOH-VD
VS-G2200EK-VN/EOG-VD